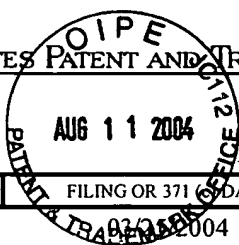




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APPLICATION NUMBER	FILING OR 371 DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/808,698	08/08/2004	Chun Hua Yang	121812.00006

26710
 QUARLES & BRADY LLP
 411 E. WISCONSIN AVENUE
 SUITE 2040
 MILWAUKEE, WI 53202-4497

CONFIRMATION NO. 5893

FORMALITIES LETTER



OC000000012894254

Date Mailed: 06/08/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
 - Numbers, letters, and reference characters on the drawings must measure at least 0.32 cm (1/8 inch) in height. See Figure(s) 1-9.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$130** for a Large Entity

- **\$130** Late oath or declaration Surcharge.

08/12/2004 MAHME1 00000037 170055 10808698


01 FC:1051

130.00 DA

Replies should be mailed to: Mail Stop Missing Parts

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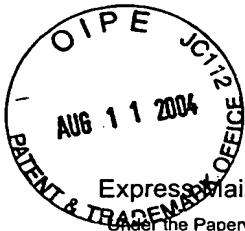
*A copy of this notice **MUST** be returned with the reply.*



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Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



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Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 130.00

Complete if Known

Application Number	10/808,698
Filing Date	March 25, 2004
First Named Inventor	Chun Hua Yang
Examiner Name	---
Art Unit	2631
Attorney Docket No.	121812.00006

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number
Deposit Account Name

17-0055

Quarles & Brady LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)				(\$) 0.00	

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below		Fee Paid
Total Claims		20**	=		X	0.00
Independent Claims		3**	=		X	0.00
Multiple Dependent						

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	130
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 130.00

SUBMITTED BY

Name (Print/Type)	Michael J. McGovern	Registration No. (Attorney/Agent)	28,326	Telephone	414-277-5725
Signature		Date	August 9, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Date of Signature and

Deposit: Aug 9, 2004

Michael J. McGovern
Attorney of Record

PATENT

Docket No. 121812.00006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chun Hua Yang
Appl. No.: 10/808,698
Filed: March 25, 2004
For: DIFFERENTIAL DETECTOR
Art Unit: 2631

**SUBMISSION OF DOCUMENTS IN RESPONSE
TO NOTICE TO FILE MISSING PARTS**

Mail Stop MISSING PARTS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Notice to File Missing Parts dated June 8, 2004, please find transmitted herewith;

- X a copy of the Notice to File Missing Parts;
- X signed Declaration of the inventors;
- X Recordation Form Cover Sheet w/executed Assignment;
- X Claim to Foreign Priority with a certified copy of Singapore Application No. 200301513-8;
- X Transmittal of Corrected Formal Drawings (6 sheets and
- X a Fee Sheet.

Respectfully submitted,

By: Michael J. McGovern

Michael J. McGovern
Quarles & Brady LLP
411 East Wisconsin Avenue
Milwaukee, WI 53202-4497
(414) 277-5725
Attorney of Record



I hereby certify that this correspondence is being deposited with the U.S. Postal Service on the date set forth below as First Class Mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA. 22313-1450.
Date of Signature and Deposit: Aug 9, 2004

[Signature]
Attorney of Record

PATENT

Docket No. 121812.00006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chun Hua Yang
Appl. No: 10/808,698
Filed: March 25, 2004
For: Differential Detector
Art Unit: 2631
Examiner: ---

TRANSMITTAL OF CORRECTED FORMAL DRAWINGS

Mail Stop MISSING PARTS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Attention: Official Draftsperson

Sir:

Please find transmitted herewith six (6) sheets of corrected formal drawings including Figs. 1-8.

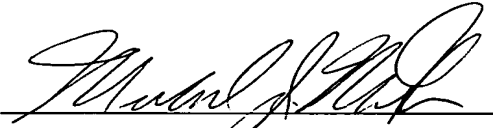
Changes were made in response to the drawing corrections requirement in the Notice to File Missing Parts of Nonprovisional Application dated June 8, 2004. The following changes were made to Figs. 2 and 6 of the drawings:

- 1) The output of the demodulator 231 in Fig. 2 has been changed from y_n to γ_n ;
- 2) The output from the adder 223 in Fig. 6 has been changed from y_n to γ_n ; and
- 3) The divider 613 in Fig. 6 has been changed from y_n/C_n to γ_n/C_n .

Acceptance of these corrected formal drawings is respectfully requested.

Respectfully submitted,

By:

A handwritten signature in dark ink, appearing to read "Michael J. McGovern", is written over a horizontal line.

Michael J. McGovern
Quarles and Brady LLP
411 East Wisconsin Ave.
Milwaukee, WI 53202
(414) 277-5725
Attorney of Record